Final Term Exam Fall 2021 – BTEC 453

# Stem cell therapies

1. How would you prepare a biomanufacturing process for this technology? (minimum 1 page description)
2. Provide some key steps in the process
3. What might be 4 main GMP related concerns or challenges?

# Advanced biomanufacturing involves several new technologies

1. List some key GMP manufacturing documents that might be relevant for these technologies (find minimum 5 relevant documents).
2. What are some key GMP challenges involved with Gene therapies?

# Highlight some key elements in the process flow and unit operation involved with manufacturing recombinant proteins.

* 1. Provide a process flow diagram of the process (examples of proteins like antibodies, vaccines, etc)